



Fueling Freedom's *Finest*

Issue 9, July 2005
The Fuel Point Newsletter

Here it is!!!

Issue 9 of APC's Fuel Point, as always, provides 'what's happening' in our fuels community. To continue with a 'Purple' issue, we start with the visit to Defense Energy Support Center (DESC)

Americas by the Deputy Assistant Secretary of Defense, Mr. Mark S. Hewitt. DESC provides fuel support to all Services and how better to include them in our newsletter.

New & Improved Newsletter!

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Attention 'Fuel Point' Readers!

We now have a new subscription service on our WEBSITE. If you would like to continue reading the quarterly "FUEL POINT" Newsletter, please visit our website at:

<http://usapc.army.mil/news/subscription.asp> to subscribe for electronic delivery of the "FUEL POINT" Newsletter. Issue 9, the current issue, will be the last issue sent by regular mail.

Americas Contingency Energy Solutions (ACES)

By Thomas Kerzynski, DES Americas

On 18 Apr 05, Mr. Mark S. Hewitt, Deputy Assistant Secretary of Defense for Defense Continuity and Crisis Management, visited the Americas office in Houston to recognize DESC's outstanding support of OSD fuel requirements. Mr. Hewitt is primarily engaged in Continuity of Operations Plans, Crisis Management Planning, and Critical Infrastructure Protection as part of the Office of the Under Secretary for Defense for Policy. After receiving the DESC Americas Command Briefing and the Americas Contingency Energy Solutions (ACES)* Program Briefing, Mr. Hewitt took the opportunity to meet employees and discuss their individual roles and responsibilities. He was very complimentary about the profes-

sionalism of the Americas staff and was impressed with the size and complexity of DESC's mission. He was especially impressed with the ACES Program and its innovative approach to addressing the problem of emergency fuel transportation. He suggested showcasing ACES as a DoD "best practice." On 19 Apr, Americas representatives accompanied Mr. Hewitt on a familiarization tour of Bryan Mound in Freeport, TX, the largest of the four DOE Strategic Petroleum Reserve sites.

*The ACES program and concept began while our Deputy Director, LTC Charles Coan (Ret) was at DESC Americas East. DESC Americas thanks DESC, DESC Americas-East and Mr. Coan for providing assistance and support to the program.

APC provides critical support to the field during Technical Assessment and Assistance Visits for OEF/OIF

By Jeffrey Simmons, and SFC Renee Williams, APC

At the request of the CENTCOM JPO and the 475th Quartermaster Group, Technical Advisor(TAV) Jeff Simmons, was dispatched to Operation Enduring Freedom (OEF) to assess and assist the POL operations in the Afghanistan and Uzbekistan theatres during May of 2005. The focus of the visit was to assess the overall fuel operations to include supply, quality, equipment, and procedures and to offer assistance if needed. The bases visited consisted of Bagram Air Field (BAF) and Kandahar Air Field (KAF) in Afghanistan and K-2 Air Field in Uzbekistan.

Fuel is being supplied by refineries in Afghanistan, Uzbekistan, Kazakhstan, Turkmenistan and Russia and deliveries are intermittent from time to time due to weather, social or economic reasons. Quality was within specifications but problems with water and sediment continue to be a challenge depending on the supply and the contractor's vehicles. Fuel equipment being used to receive store and distribute fuel products is a mixture of systems from the Army, Marines, Air Force and civilian equivalents. KBR handles the majority of the base fuel missions with the Army and Air Force still performing hot and cold refueling in some places.

Although there were some problems with fuel deliveries, fuel handling procedures were observed and are being followed as required by FM 10-67-1, DOD 4140.25 and MIL-STD 3004A.

During, the month of May, SFC Williams conducted a quality surveillance assistance visit with the 475th QM GRP (FWD) to the GS bulk fuel terminals in Kuwait and Iraq. SFC Kinard, 3rd QM DET, accompanied SFC Williams to each location and completed a thorough inspection of each collapsible fuel bag put into operation. It is necessary

to check the fuel bags twice daily to identify current leaks, possible future leaks and life expectancy of the fuel bag during the high temperature summer months. The twice daily inspection, conducted by on-site personnel, has proven to be effective in identifying "about to burst" fuel bags.

The GS bulk fuel terminals are operated by KBR and in some locations by Army POL Supply Companies. Fuel is supplied from refineries located in Kuwait, Turkey and Jordan. Assistance was provided in quality surveillance, sample testing, downloading procedures, hazardous material compliance, safety and overall POL operations. Every location visited provided information on how daily procedures are conducted followed by site walks of the fuel terminal and viewing of loading and downloading procedures. The Soldiers and KBR employees at each bulk fuel terminal are working together by transferring information and relocating equipment to ensure the GS bulk fuel mission is a success.

For more information, contact Jeffrey Simmons, APC New Cumberland, DSN 771-6111 or SFC Renee Williams, APC Belvoir, DSN 427-00690.



SPC Smith, 59th QM CO, Q-West, Iraq, prepares to attach the fuel hose to a Turkish Fuel tanker while a Turkish Truck Driver looks on.

Now...Take a Peek

at one of the initiatives the Air Force is looking at for Fuel Support!

Fuels Operational Requirements Capability Equipment

*By the Air Force Petroleum Office,
Ft. Belvoir*

Fuels Operational Requirements Capability Equipment (FORCE) supplements and replaces existing United States Air Force (USAF) Fuels Mobility Support Equipment (FMSE). The new equipment provides the USAF with significantly increased capability and flexibility to support the new and emerging missions of the war on terrorism and provides the refueling capability to meet the Defense Strategic Planning Guidance. Experience and lessons learned in the Southern Watch, Afghanistan and Iraqi Freedom operations have resulted in the concepts and specifications for the FORCE complement.

The four elements of the FORCE

System are (1) the A/E32R-18 Pumping Unit, (2) the A/E32R-19 Filter Separator Unit, (3) the A/E32R-20 Multi-Aircraft Servicing Platform, and (4) the A/E32R-21 Plumbing Assembly.

Because FORCE is a modular system, it can be configured to perform limited aircraft fueling missions such as done with the R-14 or to sustain massive daily fueling requirements for months in support of combat refueling missions and in support of Strategic Airlift missions. The individual components of the FORCE System provide stand-alone or mix-and-match capability for almost any fuel transfer or aircraft fueling scenario.

Website for AFPET is:

<http://afpet.ft-belvoir.af.mil>

Services Adopt the Navy Munitions Report as Prototype for the Automated Report for Petroleum (REPOL)

By Vicki Baker, APC Belvoir

The automated REPOL has been in testing stages with US Pacific command taking the lead for this effort. APC has also performed some initial testing to access its use and determine enhancements to provide the warfighters an accurate fuel status in a timely fashion (w/in 24 hours). The majority of information is pulled forward from one report to the other, or operators certify that no changes occurred from the previous days report. The system also has the ability to import data from one operation to another; EG. OIF/OEF fuel status. This will be a great automated tool providing critical data for fuel support and sustainability. We will update you as this effort progresses beyond testing to real-time operations.

Base Realignment and Closure

By Allen Merritt, APC Belvoir

Currently the Army Petroleum Center (APC) is working through Army command channels via IMA to the installation level to capture the requirements, corresponding cost estimates and “front page DD 1391’s” for fuels related MILCON associated with BRAC.

IMA/Installations have responded and submitted their request for additional fuel facilities infrastructure that will be incurred due to BRAC. Some are still under review awaiting essential information to justify the need for additional fuel facilities infrastructure.

Estimated BRAC costs have been submitted to DLA. Contact Alan Merritt@dla.mil for more information.

Thinking ‘Coal’ No More???...Think Again!!!

Did You Know there are 13 DoD Installations Utilizing Coal as a Source of Energy?

By Samuel Williams, APC

This overview is to provide activities with the knowledge and awareness of DOD / DLA contracted policies and procedures of direct deliveries and inspections in accordance with DOD 4140.25M and MIL-STD-3004.

Introduction: The US Army Petroleum Center serves as the Service Item Control Point (SICP) for all Army solid fuel installations with appointed additional duties as the coal sampling certification agency for all Department of Defense and inter-service agencies that use coal as an alternative heating source for their installation.

Deliveries: Upon receiving DLA / DESC contracted coal on a DOD Installation, the following procedures apply. The receiving facility is responsible for accounting for all shipments received at the installation. The Army Petroleum Center recommends that all DOD installations have these duties preformed by a certified coal sampler to achieve optimal results.

Documentation such as the DD Form 250, Coal Analysis Report and Waybills must be checked to validate shipment quantity and identification numbers of the carriers. Any visual discrepancies of the coal and the

transport container could possibly indicate low quality or nonconforming coal as well as displacement or loss of coal through theft. Documenting and reporting the discrepancies to APC and DESC Contracting Officer could expedite a resolution in resolving any contract issues that may occur. If rejection becomes apparent, a detailed report of the circumstances will be sent to APC / DESC Contracting Officer immediately. This action must occur before the coal is off loaded. By not doing so, could initiate various legal chains of events that could possibly prove to be costly to the activity and the Department of Defense in court fees and settlements.

Inspection of the Delivery: Certified coal samplers and handlers must ensure that certain actions are preformed during the acceptance of delivery shipments before off loading can take place. Visual inspections should be simple and thorough. While walking the shipment check to see if the coal is free of slate, bones, rocks, sulfur balls, dirt and other foreign material.

Check for foreign objects that may have been thrown on top of the shipment. Check for discoloration of the coal (rust / brownish in color). This

could determine if the coal was oxidized by being closer to the surface of the earth and exposed to the moisture.

Experienced coal handlers should check for the size-consist only if the size is questionable. Incorrect size of the coal may cause problems when used within the heating unit. Follow the instructions within MIL-STD-3004, Appendix C, page 187, paragraph C.5.7 “Sampling for Size Consist”, and paragraph C.5.7.1 “Collection of the size consist sample (9-Point, car-top sampling)”.

It is very important that the certified coal sampler use “No Less than 1,000 pounds” as prescribed within the appendix above when a representative sample of the shipment is obtained.

Sampling for Chemical Analysis: Testing the gross samples for chemical analysis should occur at the time of receipt. MIL-STD-3004, Appendix C, page 186, explains the procedures in collecting the samples and which method of collecting is preferred. The testing is done to determine whether your heating unit is receiving the require coal specifications that was outlined in the solicitation process. It could very well mean the difference between burning coal or gravel within

your heating systems.

Facility Managers should compare the supplier's coal analysis report to the Army Petroleum Center Lab coal analysis report to ensure that their installations contract specifications are met. Immediately contact the APC and the DESC Contracting Officer if there are major inconsistencies.

Equipment: It is inherent upon installation commanders to provide their facility managers with the necessary equipment and space to conduct the above testing. By not having the necessary equipment and space to perform these inspections would surely jeopardize the facility heating unit's ability to perform at 100% capacity.

The basic and essential equipment required includes shovels, coal bags, galvanized trash containers (32 gals), weighing machine, riffing machine splitter with dispersal buckets / containers (that will separate and divide the gross representative load of no less than a 1,000 pounds and no

greater than 1,000 tons down to 65 pounds.) The 65 pounds is hand riffled down by yet a smaller system to 3 pounds then crushed and poured into an APC lab canister and mail to the APC lab facility for testing and analysis. A copy of the results will be returned back to the customer upon completion of the analysis. This procedure is mandatory for all DoD contracted coal installations when shipments are received.

Installation commanders must ensure that their activities are in compliance with DOD 4140.25M, and MIL-STD-3004, which establishes Department of Defense Standard Practice. Activities that are not in compliance could suffer serious legal ramifications for their inaction to perform the basic delivery inspection procedures.

Submitting your samples to the APC Lab is a regulatory requirement in DoD 4140.25M, Volume IV-Coal, Chapter 1 "Requirements,

Procurement, and Distribution", page 5, paragraph 2, 3, 4. You can also find submission instructions in MIL-STD-3004, page 186, paragraph C.5.4.8.. For additional information check the APC website at <http://usapc.army.mil>.

POC for the above information is Samuel Williams APC, FT Belvoir Office, Email: Samuel.Williams@dla.mil or call 703-767-5169.



Notice On Air Cards and Identaplates!!

By Vicki Baker, APC Belvoir

Has your aircraft transferred to another unit or do you need new Identaplates or Air/Sea cards? These requests are now coordinated through the Plans and Operations Team, FT Belvoir office. If you need some assistance, please contact Charles Shipp, 703-767-0661 or Bradley Norton, 703-767-0694. If you can't reach either of them, call 703-767-0664 for assistance. This is an all important mission in assuring readiness of all our troops.

Quality Corner

By SFC Renee Williams, APC Belvoir

I'm sure the only question on every Lab Techs mind these days is, "When is my correlation sample arriving?" The answer is: "Any day now!" The USAPC has mailed out the FY05 Semi-Annual Inter-laboratory Correlation Fuel Samples on 20 June, 2005 to all CONUS certified laboratories meeting the 70% readiness requirement. The consolidated report should be published around 30 August 2005. The next Inter-Laboratory Correlation Fuel Samples will be sent out in December 2005. This year, OCONUS Army laboratories that are located in Europe and in the Middle East will be able to participate. A designated laboratory will be sending out a correlation sample to each lab within their theater to test and consolidate results. This will also allow for the OCONUS laboratories to meet the participation requirements when deployed.

The Army POL Laboratory Certification Program consists of three parts: an inspection of the POL Laboratory and its components, evaluation of the Lab Techs testing a product on petroleum testing apparatus's and operations and a correlation sample submitted to the USAPC Laboratory to reproduce similar test results. A lab is granted certification if (1) it receives 70% or higher equipment readiness score, (2) personnel are trained on lab operations and (3) the USAPC laboratory produces similar test results. If the laboratory does not meet one of the three areas, the certification process must be repeated. To retain certification, a laboratory must participate and pass the Inter-laboratory Correlation Program. Two consecutive non-participations or failures could result in a laboratory losing its

certification. If a unit loses its laboratory certification, the laboratory personnel must be retrained, equipment repaired and a courtesy certification inspection performed by 49th QM GRP, QS Team. Contact the 49th at 804-734-7690 to coordinate a courtesy certification inspection prior to the USAPC certification review.

This past quarter, two Air Mobile Laboratories returned from their year long tour in Iraq. We welcome home the Lab teams from A Co., 27th MSB and HHC, 601st ASB who have done a superb job in supporting our forces in petroleum quality surveillance testing. Welcome Home Lab Techs!

This past March, the first Army POL Quality Summit was held at Ft. Lee, VA. MOS 92L NCO's from the QMC&S: PWD and NCO Academy, 49th and 475th QM GRP, DESC-Korea and representatives from TACOM and CASCOM participated. This forum promoted an open discussion among POL and Laboratory NCO's, Program Engineers, Trainers and Planners. In depth discussions were debated on current and future laboratories, testing equipment and kits. The group was able to determine the current total quality assessment on MOS 92L and the POL laboratories.

Finally, the 475th QM GRP (FWD) has requested the purchase of hand held density meters to be used during deliveries of fuel at each GS bulk fuel terminal located within Iraq and Afghanistan. Having a hand held density meter will shorten the amount of time it takes to obtain an API reading and have less chance for operator error. For those of you have been tasked to test for the API gravity prior to receipt of the fuel, you understand how difficult it can be to climb on top of thirty plus tankers and encounter

sudden wind gusts that could tip over the cylinder allowing it to crack or break. Using cylinders that are warped or discolored make it difficult to take an accurate reading. The Anaconda KBR laboratory is already utilizing the hand held density meter. They have expressed the density meter is easy to use, gives

quick results and is easily carried onto the top of a fuel tanker. It has a shock absorbent cover that protects it from cracking or breaking if dropped. For more information about the hand held density meter that is being used at the Anaconda location, contact SFC Williams, email kenee.k.williams@dla.mil.



Quality Summit participants, 1st Row L to R: SFC Renee Williams, Ms Faye Anderson, SSG Lachelle Johnson 2nd Row L to R: SFC Bill Davenport, CPT Malee Kirk, SFC Donovan Dunn, SFC peter Humphries, Mr. Charles Burden, Mr. Steve Moyer, Ms. Corinna Womack Back row L to R: Mr. Jim Doherty, Mr. Gary Smith, MAJ Edwin Cruz, Mr. Willie Pettway, MSG Joseph DePuy, SFC Richard Leon, Mr. Charles Coan, SSG Della Blair, SSG Angel Alston. Not pictured: Mr. Tom Martell, MAJ Williams Bailey, Mr. Gregory Puth, Mr. David Corbin, Mr. Marshall Jones, Mr. Kizer Paulk, SFC Curtis Morgan, SFC Mack Moore, SFC Robert Tate, SFC Juan Nieves, SFC Derek Scott, GySGT Glenn Williams

Over-The-Shore Petroleum Distribution System (OPDS) Update

By Michael Souza, Military Sealift Cmd

North American Shipbuilding has started cutting steel for the first unit. The first 4 miles of flexible pipe is under construction in Brazil. The ship will be delivered in March 2007. Towing and off-ship firefighting options were to be executed in June and vessel color has been selected which is a blue hull, white house to meet OPSEC profile. Future updates will be provided as the Periodic Project Reviews are held every 60 days.

Kudos!!! to the Task Force Falcon Lab Techs located on Camp Bondsteel, Kosovo, in receiving lab certification for their mission specific operation.

2005 POL Partners in the Pacific Conference

By David Corbin, APC Belvoir

Numerous Army organizations participated in the 2005 POL Partners in the Pacific Warfighters Conference hosted by US Pacific Command (USPACOM) from 9 - 13 May 05. The conference theme, One-Team-One Fight focused on the following objectives (1) Provide POL community with updated war plan briefs, latest intelligence briefs, and Pacific POL complexities, including the time and distance challenges, (2) Identify potential fuel issues for future transformation via a POL transportation summit held on day two of the conference, and (3) Identify where POL community needs to be in 10 years.

The conference facilitated lively discussion resulting in detailed recommendations for improvements in the

following issue areas:

- Commonality of hoses/equipment
 - USFK/EUSA Forces/Bases Realignment
 - Over-the-Shore Bulk Petroleum Discharge and inland distribution transition (OPDS/OPDS - next and IPDS/RIFTS)
 - TRANSCOM/PACOM JPO Identification of Joint Training and Evaluation Team members and Coordination of Strategic Planning issues at selected PACOM Exercise planning conferences
 - DESC SR&M Project management
- USPACOM POCS are LCDR Roy Drake, USN, J422, DSN 477-1170 AND MSGT Matthew Ryan, USAF, DSN 477-6690.

APC Expanding Technical Assistance Visits Through A New Program to Provide More Support to the Field

By Del Leese, APC New Cumberland

The USAPC is developing the concept, support and funding lines for conducting an FY06 on-site petroleum technical assistance program in support of ground (non-aviation) units. The APC has supported the FORSCOM Aviation Resource Management Survey (ARMS) team for many years while assisting and assessing the readiness of aviation petroleum units throughout the Army. The USAPC ARMS mission has always provided a valuable information sharing service which supports the capability to network solutions to problems and systemic issues identified in the field with the rest of the Army petroleum community. A similar type of program for ground units does not currently exist within the Army. A ground fuels assistance pro-

gram will provide critical help by dispatching functional petroleum experts to visit and assess the equipment, training and operations of Army units that are rotating to/from OEF/OIF deployments as well as units that are undergoing transformation to modular configuration. The ground fuels assistance program will be endorsed and supported by the FORSCOM G4 and will utilize personnel from the APC as the primary staff. Trained professional petroleum NCOs from the 49th QM Group and the Quartermaster Center and School will also be used as a resource to assist in the execution of the future USAPC Ground Technical Assistance program. A POC for additional information on this program is Mr. Del Leese, USAPC, Comm (717) 770-8580 or DSN 771-8580

It Seems every Issue of the Fuel Point, We have Some Good-bye's

And This Time Is No Exception



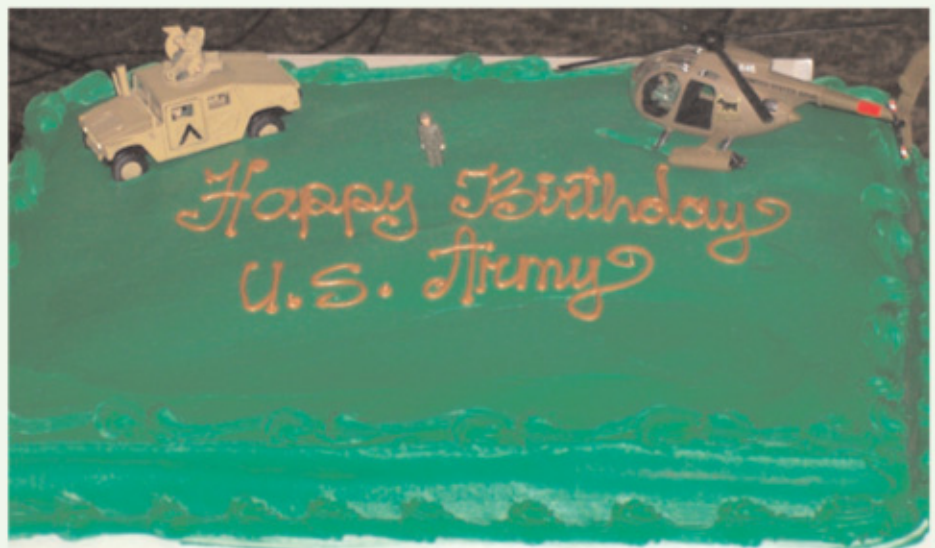
Phil Richards retired after 35 years of civil service. Although he is already enjoying his new vocation... teaching, we'd be remiss in not acknowledging his dedicated service to the Army. Phil received the Civilian Service Award for his career accomplishments and the APC will miss him. He was a part of our 'family'.

And as many know, the APC is located at 2 locations, New Cumberland, PA and FT Belvoir, VA. With relocation initiatives, it is bittersweet to say we've lost Ms. Lynn Redmond, at the New Cumberland office, to the Defense Distribution Center, DLA. However, on a good note, Ms. Redmond attained a promotion in her new position and we are happy for her. We're sure she will do excellent in her new endeavor!

APC Celebrates Our 'Army' by Acknowledging It's 230th Birthday

By Vicki Baker, APC Belvoir

Since its birth on 14 June 1775-over a year before the Declaration of Independence-the United States Army has played a vital role in the growth and development of our nation. Soldiers have fought more than 10 wars, from the American Revolution through the Cold War, the Gulf War, to the current Global War on Terrorism. The celebration illustrates the Army's history, traditions, and service to the Nation.



UPCOMING EVENTS:

august

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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

■ USAPC Petroleum Laboratory Re-dedication ceremony on 30 August 05

The lab renovation is nearing completion. New equipment has arrived and is ready for all the samples we receive from the field. A re-dedication ceremony is being planned for 30 August 2005, 1000 hours.

september

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■ OPDS Trials Working Group first meeting in Sept 05

An OPDS Trials Working Group will be established with the objective to develop the test, trial plan and operational construct of the initial system testing. The first meeting is tentatively scheduled in September 2005 and nominees/candidates for this event are being solicited. The OPDS Project Manager is Mr. Michael F. Souza, Military Sealift Command, 202-685-5085.

october

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■ PETRO 2005 is planned for 16-20 October 2005

PETRO 2005 is planned for 16-20 October 2005 in San Antonio, TX. The conference will bring together members of the fuels community from

around the globe for discussion, planning and evaluation of current and future POL mission support requirements. The Army Liquid Logistics Council of Colonels will meet during the conference. In addition, the Army and Air Force are teaming up to co-host a Joint API Awards Presentation and Banquet to recognize the 'best of the best' in the POL Operations and Maintenance world. Make your reservations now so you don't miss out. The National Petroleum Management Association (NPMA) website: <http://www.npma-fuelnet.org/> provides all the information you need to plan for this important event. The APC will release a detailed agenda in the near future for the Army focused sessions being planned.

See you in San Antonio
for PETRO 2005!!!